SEQUENCE LISTING

(1) GENERAL INFORMATION:

BENOIT, Patrick
MEYER, Francois
MAGUIRE, Deborah
PLAVEC, Ivan (i) APPLICANT: TOVEY, Michael G.

- (ii) TITLE OF INVENTION: MONOCLONAL ANTIBODIES AGAINST THE INTERFERON RECEPTOR, WITH NEUTRALIZING ACTIVITY AGAINST TYPE I INTERFERON
- (iii) NUMBER OF SEQUENCES: 4
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Foley & Lardner
 - (B) STREET: 3000 K Street, N.W., Suite 500
 - (C) CITY: Washington (D) STATE: D.C.

 - (E) ZIP: 20007
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOSVMS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/307,588
 - (B) FILING DATE: 05-DEC-1994
 - (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/EP93 \(\)00770
 - (B) FILING DATE: 30-MAR-1993
 - (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: EP 92400902 0
 - (B) FILING DATE: 31-MAR-1992
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: SAXE, Bernhard D.
 - (B) REGISTRATION NUMBER: 28,665
 - (C) REFERENCE/DOCKET NUMBER: 17283/1/17/GUPL
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (202)672-5300
 - (B) TELEFAX: (202)672-5399
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1343 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (ix) FEATURE:
 - (A) NAME/KEY: CDS
 - (B) LOCATION: 27..1334

(xi) SEQUENCE DESCRÀPTION: SEQ ID NO: 1: CTGCAGGGAT CTGCGGCGGC TCCCAG ATG ATG GTC GTC CTG GGC GCG ACG 53 Met Met Val Val Leu Leu Gly Ala Thr ACC CTA GTG CTC GTC GCC GTG GGC CCA TGG GTG TTG TCC GCA GCC GCA Thr Leu Val Leu Val Ala Val Gly Pro Trp Val Leu Ser Ala Ala Ala 101 15 GGT GGA AAA AAT CTA AAA TCT CCT CAA AAA GTA GAG GTC GAC ATC ATA 149 Gly Gly Lys Asn Leu Lys Ser Pro Gln Lys Val Glu Val Asp Ile Ile GAT GAC AAC TTT ATC CTG AGG TGG AGC AGG AGC GAT GAG TCT GTC GGG 197 Asp Asp Asn Phe Ile Leu Arg Trp Asn Arg Ser Asp Glu Ser Val Gly \50 AAT GTG ACT TTT TCA TTC GAT TAT CAA AAA ACT GGG ATG GAT AAT TGG 245 Asn Val Thr Phe Ser Phe Asp Tyr Glh Lys Thr Gly Met Asp Asn Trp 60 ATA AAA TTG TCT GGG TGT CAG AAT ATT ACT AGT ACC AAA TGC AAC TTT Ile Lys Leu Ser Gly Cys Gln Asn Ile Thr Ser Thr Lys Cys Asn Phe 293 TCT TCA CTC AAG CTG AAT GTT TAT GAA GÀA ATT AAA TTG CGT ATA AGA 341 Ser Ser Leu Lys Leu Asn Val Tyr Glu Gl $\!\!\!\!/\,$ Ile Lys Leu Arg Ile Arg 95 100 GCA GAA AAA GAA AAC ACT TCT TCA TGG TAT\GAG GTT GAC TCA TTT ACA 389 Ala Glu Lys Glu Asn Thr Ser Ser Trp Tyr Glu Val Asp Ser Phe Thr CCA TTT CGC AAA GCT CAG ATT GGT CCT CCA GAA GTA CAT TTA GAA GCT 437 Pro Phe Arg Lys Ala Gln Ile Gly Pro Pro Glu Val His Leu Glu Ala 130 GAA GAT AAG GCA ATA GTG ATA CAC ATC TCT CCT\GGA ACA AAA GAT AGT 485 Glu Asp Lys Ala Ile Val Ile His Ile Ser Pro Gly Thr Lys Asp Ser GTT ATG TGG GCT TTG GAT GGT TTA AGC TTT ACA TAT AGC TTA CTT ATC 533 Val Met Trp Ala Leu Asp Gly Leu Ser Phe Thr Tyt Ser Leu Leu Ile 160 TGG AAA AAC TCT TCA GGT GTA GAA GAA AGG ATT GAA AAT ATT TAT TCC Trp Lys Asn Ser Ser Gly Val Glu Glu Arg Ile Glu Asn Ile Tyr Ser 581 180 AGA CAT AAA ATT TAT AAA CTC TCA CCA GAG ACT ACT TAT TGT CTA AAA 629 Arg His Lys Ile Tyr Lys Leu Ser Pro Glu Thr Thr Tyt Cys Leu Lys 190 195 GTT AAA GCA GCA CTA CTT ACG TCA TGG AAA ATT GGT GTC \TAT AGT CCA 677 Val Lys Ala Ala Leu Leu Thr Ser Trp Lys Ile Gly Val Tyr Ser Pro 205 210 GTA CAT TGT ATA AAG ACC ACA GTT GAA AAT GAA CTA CCT COA CCA GAA 725 Val His Cys Ile Lys Thr Thr Val Glu Asn Glu Leu Pro Pro Pro Glu

AAT ATA GAA GTC AGT GTC CAA AAT CAG AAC TAT GTT CTT AAA TGG GAT

Asn Ile Glu Val Ser Val Gln Asn Gln Asn Tyr Val Leu Lys Typ Asp

240

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TAT Tyr 250	ACA Thr	TAT Tyr	GCA Ala	AAC Asn	ATG Met 255	TIII	TTT	CAA Gln	GTT Val	CAG Gln 260	TGG Trp	CTC Leu	CAC His	GCC Ala	TTT Phe 265	821
TTA Leu	AAA Lys	AGG Arg	AAT Asn	CCT Pro 270	GGA Gly	AAC Asn	CAT His	TTG Leu	TAT Tyr 275	Lys	TGG Trp	AAA Lys	CAA Gln	ATA Ile 280	CCT Pro	869
GAC Asp	TGT Cys	GAA Glu	AAT Asn 285	GTC Val	AAA Lys	ACT Thr	ACC Thr	CAG Gln 290	TGT Cys	GTC Val	TTT Phe	CCT Pro	CAA Gln 295	AAC Asn	GTT Val	917
TTC Phe	CAA Gln	AAA Lys 300	GGA Gly	ATT Ile	TAC Tyr	CTT Leu	CTC Leu 305	CGC	GTA Val	CAA Gln	GCA Ala	TCT Ser 310	GAT Asp	GGA Gly	AAT Asn	965
AAC Asn	ACA Thr 315	TCT Ser	TTT Phe	TGG Trp	TCT Ser	GAA Glu 320	GAG Glu	ATA Ile	AAG Lys	TTT Phe	GAT Asp 325	ACT Thr	GAA Glu	ATA Ile	CAA Gln	1013
GCT Ala 330	TTC Phe	CTA Leu:	CTT Leu	CCT Pro	CCA Pro 335	GTC Val	TTT Phe	AAC Asn	ATT Ile	AGA Arg 340	TCC Ser	CTT Leu	AGT Ser	GAT Asp	TCA Ser 345	1061
TTC Phe	CAT His	ATC Ile	TAT Tyr	ATC Ile 350	GGT Gly	GCT Ala	CCA Pro	AAA Lys	CAG Gln 355	TCT Ser	GGA Gly	AAC Asn	ACG Thr	CCT Pro 360	GTG Val	1109
ATC Ile	CAG Gln	GAT Asp	TAT Tyr 365	CCA Pro	CTG Leu	ATT Ile	TAT Tyr	GAA Glu 370	ATT Ile	ATT	TTT Phe	TGG Trp	GAA Glu 375	AAC Asn	ACT Thr	1157
TCA Ser	AAT Asn	GCT Ala 380	GAG Glu	AGA Arg	AAA Lys	ATT Ile	ATC Ile 385	GAG Glu	AAA Lys	AAA Lys	ACT Thr	GAT Asp 390	GTT Val	ACA Thr	GTT Val	1205
CCT Pro	AAT Asn 395	TTG Leu	AAA Lys	CCA Pro	CTG Leu	ACT Thr 400	GTA Val	TAT Tyr	TGT Cys	GTG Val	AAA Lys 405	GCC Ala	AGA Arg	GCA Ala	CAC His	1253
ACC Thr 410	ATG Met	GAT Asp	GAA Glu	AAG Lys	CTG Leu 415	AAT Asn	AAA Lys	AGC Ser	AGT Ser	GTT Val 420	TTT Phe	AGT Ser	GAC Asp	Ala	GTA Val 425	1301
TGT Cys	GAG Glu	AAA Lys	Inr	AAA Lys 430	CCA Pro	GGA Gly	AAT Asn	Thr	TCT Ser 435	AAA Lys	TGAG	GTAC	c			1343

(2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 436 amino acids
 (B) TYPE: amino acid
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Met Met Val Val Leu Leu Gly Ala Thr Thr Leu Val Leu Val Ala Val 10

Gly Pro Trp Val Leu Ser Ala Ala Gly Gly Lys Asn Leu Lys Ser 20

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Pro Gln Lys Val Glu Val Asp\Ile Ile Asp Asp Asn Phe Ile Leu Arg Trp Asn Arg Ser Asp Glu Ser Val Gly Asn Val Thr Phe Ser Phe Asp Tyr Gln Lys Thr Gly Met Asp As, Trp Ile Lys Leu Ser Gly Cys Gln Asn Ile Thr Ser Thr Lys Cys Asn Phe Ser Ser Leu Lys Leu Asn Val Tyr Glu Glu Ile Lys Leu Arg Ile Arg Ala Glu Lys Glu Asn Thr Ser 1105 Ser Trp Tyr Glu Val Asp Ser Phe Thr Pro Phe Arg Lys Ala Gln Ile 120 Gly Pro Pro Glu Val His Leu Glu Ala Glu Asp Lys Ala Ile Val Ile His Ile Ser Pro Gly Thr Lys Asp Ser Val Met Trp Ala Leu Asp Gly 150 155 Leu Ser Phe Thr Tyr Ser Leu Leu Ile Thp Lys Asn Ser Ser Gly Val Glu Glu Arg Ile Glu Asn Ile Tyr Ser Arg\His Lys Ile Tyr Lys Leu 185 Ser Pro Glu Thr Thr Tyr Cys Leu Lys Val Lys Ala Ala Leu Leu Thr 195 Ser Trp Lys Ile Gly Val Tyr Ser Pro Val His Cys Ile Lys Thr Thr Val Glu Asn Glu Leu Pro Pro Pro Glu Asn Ile\Glu Val Ser Val Gln . 230 Asn Gln Asn Tyr Val Leu Lys Trp Asp Tyr Thr T_{V}^{\prime} r Ala Asn Met Thr 245 250 Phe Gln Val Gln Trp Leu His Ala Phe Leu Lys Arg Asn Pro Gly Asn 265 His Leu Tyr Lys Trp Lys Gln Ile Pro Asp Cys Glu Asn Val Lys Thr 280 Thr Gln Cys Val Phe Pro Gln Asn Val Phe Gln Lys G1y Ile Tyr Leu 295 Leu Arg Val Gln Ala Ser Asp Gly Asn Asn Thr Ser Phe\Trp Ser Glu 310 Glu Ile Lys Phe Asp Thr Glu Ile Gln Ala Phe Leu Leu Pro Pro Val Phe Asn Ile Arg Ser Leu Ser Asp Ser Phe His Ile Tyr Ile' Gly Ala 345 Pro Lys Gln Ser Gly Asn Thr Pro Val Ile Gln Asp Tyr Pro Leu Ile 360 Tyr Glu Ile Ile Phe Trp Glu Asn Thr Ser Asn Ala Glu Arg Lys\Ile 375

									-5-						
Ile 385	Glu	Lys	Lys	Thr	Asp 390	Val	Thr	Val	Pro	Asn 395	Leu	Lys	Pro	Leu	Thr 400
Val	Tyr	Cys	Val	Lys 405	Ala	Arg	Ala	His	Thr 410	Met	Asp	Glu	Lys	Leu 415	Asn
Lys	Ser	Ser	Val 420	Phe	Ser	Asp	Ala	Val 425	Cys	Glu	Lys	Thr	Lys 430	Pro	Gly
Asn	Thr	Ser 435	Lys												
(2)	INFO	RMAT	rion	FOR	SEQ	ID/	10: 3	3:							
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1755 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double														

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:

 - (A) NAME/KEY: CDS
 (B) LOCATION: 27..1697
- (xi) SEQUENCE DESCRIPTION: SEQ $\sqrt{10}$ NO: 3:

CTGCAGGGAT CTGCGGCGGC TCCCAG ATG ATG GTC GTC CTG GGC GCG ACG Met Met Val Val Leu Leu Gly Ala Thr 1 5														53		
ACC Thr 10	CTA Leu	GTG Val	CTC Leu	GTC Val	GCC Ala 15	GTG Val	GGC Gly	CCA Pro	TGG Trp	GTG Val 20	TTG Leu	TCC Ser	GCA Ala	GCC Ala	GCA Ala 25	101
GGT Gly	GGA Gly	AAA Lys	AAT Asn	CTA Leu 30	AAA Lys	TCT Ser	CCT Pro	CAA Gln	AAA Lys 35	GTA Val	GAG Glu	GTC Val	GAC Asp	ATC Ile 40	ATA Ile	149
GAT Asp	GAC Asp	AAC Asn	TTT Phe 45	ATC Ile	CTG Leu	AGG Arg	TGG Trp	AAC Asn 50	AGG Arg	AGC Ser	GAT Asp	GAG Glu	TCT Ser 55	GTC Val	GGG Gly	197
AAT Asn	GTG Val	ACT Thr 60	TTT Phe	TCA Ser	TTC Phe	GAT Asp	TAT Tyr 65	CAA Gln	AAA Lys	ACT Thr	GGG Gly	ATG Met 70	GAT Asp	AAT Asn	TGG Trp	245
ATA Ile	AAA Lys 75	TTG Leu	TCT Ser	GGG Gly	TGT Cys	CAG Gln 80	AAT Asn	ATT Ile	ACT Thr	AGT Ser	ACC Thr\ 85	AAA Lys	TGC Cys	AAC Asn	TTT Phe	293
TCT Ser 90	TCA Ser	CTC Leu	AAG Lys	CTG Leu	AAT Asn 95	GTT Val	TAT Tyr	GAA Glu	GAA Glu	ATT Ile 100	AAA Lys	TTG Leu	CGT Arg	ATA Ile	AGA Arg 105	341
GCA Ala	GAA Glu	AAA Lys	GAA Glu	AAC Asn 110	ACT Thr	TCT Ser	TCA Ser	TGG Trp	TAT Tyr 115	GAG Glu	GTT Val	GAC Asp	TCA Ser	TTT Phe 120	ACA Thr	389
CCA Pro	TTT Phe	CGC Arg	AAA Lys 125	GCT Ala	CAG Gln	ATT Ile	GGT Gly	CCT Pro 130	CCA Pro	GAA Glu	GTA Val	CAT His	TTA Leu 135	GAA Glu	GCT Ala	437

GAA Glu	GAT Asp	AAG Lys 140	GCA Ala	ATA Ile	GTG Val	ATA Ile	CAC His 145	ATC Ile	TCT Ser	CCT Pro	GGA Gly	ACA Thr 150	AAA Lys	GAT Asp	AGT Ser	485
GTT '/al	ATG Met 155	TGG Trp	GCT Ala	TTG Leu	GAT Asp	GGT Gly 160	TTA Leu	AGC Ser	TTT Phe	ACA Thr	TAT Tyr 165	AGC Ser	TTA Leu	CTT Leu	ATC Ile	533
TGG Trp 170	AAA Lys	AAC Asn	TCT Ser	TCA Ser	GGT Gly 175	GTA Val	GAA Glu	GAA Glu	AGG Arg	ATT Ile 180	GAA Glu	AAT Asn	ATT Ile	TAT Tyr	TCC Ser 185	581
AGA Arg	CAT His	AAA Lys	ATT Ile	TAT Tyr 190	AAA Lys	CTC Leu	TCA Ser	CCA Pro	GAG Glu 195	ACT Thr	ACT Thr	TAT Tyr	TGT Cys	CTA Leu 200	AAA Lys	629
GTT Val	AAA Lys	GCA Ala	GCA Ala 205	CTA Leu	CT:T Leu	ACG Thr	TCA Ser	TGG Trp 210	AAA Lys	ATT Ile	GGT Gly	GTC Val	TAT Tyr 215	AGT Ser	CCA Pro	677
GTA Val	CAT His	TGT Cys 220	ATA Ile	AAG Lys	ACC Thr	ACA Thr	GTT Val 225	GAA Glu	AAT Asn	GAA Glu	CTA Leu	CCT Pro 230	CCA Pro	CCA Pro	GAA Glu	725
AAT Asn	ATA Ile 235	GAA Glu	GTC Val	AGT Ser	GTC Val	CAA Gln 240	AAT Asn	CAG Gln	AAC Asn	TAT Tyr	GTT Val 245	CTT Leu	AAA Lys	TGG Trp	GAT Asp	773
TAT Tyr 250	ACA Thr	TAT Tyr	GCA Ala	AAC Asn	ATG Met 255	ACC Thr	TTT Phe	CAA Gln	GTT Val	CAG Gln 260	TGG Trp	CTC Leu	CAC His	GCC Ala	TTT Phe 265	821
TTA Leu	AAA Lys	AGG Arg	AAT Asn	CCT Pro 270	GGA Gly	AAC Asn	CAT His	TTG Leu	TAT Tyr 275	AAA Lys	TGG Trp	AAA Lys	CAA Gln	ATA Ile 280	CCT Pro	869
GAC Asp	TGT Cys	GAA Glu	AAT Asn 285	GTC Val	AAA Lys	ACT Thr	ACC Thr	CAG Gln 290	TGT Cys	GTC Val	TTT Phe	CCT Pro	CAA Gln 295	AAC Asn	GTT Val	917
TTC Phe	CAA Gln	AAA Lys 300	GGA Gly	ATT Ile	TAC Tyr	CTT Leu	CTC Leu 305	CGC Arg	GTA Val	CAA Gln	GCA Ala	TCT Ser 310	GAT Asp	GGA Gly	AAT Asn	965
AAC Asn	ACA Thr 315	TCT Ser	Phe	TGG Trp	Ser	Glu	Glu	ATA Ile	AAG Lys\	Phe	GAT Asp 325	ACT Thr	GAA Glu	ATA Ile	CAA Gln	1013
GCT Ala 330	TTC Phe	CTA Leu	CTT Leu	CCT Pro	CCA Pro 335	GTC Val	TTT Phe	AAC Asn	ATT Ile	AGA Arg 340	TCC Ser	CTT Leu	AGT Ser	GAT Asp	TCA Ser 345	1061
TTC Phe	CAT His	ATC Ile	TAT Tyr	ATC Ile 350	GGT Gly	GCT Ala	CCA Pro	AAA Lys	CAG Gln 355	TCT\ Ser	GGA Gly	AAC Asn	ACG Thr	CCT Pro 360	GTG Val	1109
ATC Ile	CAG Gln	GAT Asp	TAT Tyr 365	CCA Pro	CTG Leu	ATT Ile	TAT Tyr	GAA Glu 370	ATT Ile	ATT Ile	TTT	TGG Trp	GAA Glu 375	AAC Asn	ACT Thr	1157
TCA Ser	AAT Asn	GCT Ala 380	GAG Glu	AGA Arg	AAA Lys	ATT Ile	ATC Ile 385	GAG Glu	AAA Lys	AAA Lys	ACT Thr	GAT Asp 390	GTT Val	ACA Thr	GTT Val	1205
CCT Pro	AAT Asn 395	TTG Leu	AAA Lys	CCA Pro	CTG Leu	ACT Thr 400	GTA Val	TAT Tyr	TGT Cys	GTG Val	AAA Lys 405	GCC Ala	AGA	GCA Ala	CAC His	1253

ACC Thr 410	ATG Met	GAT Asp	GAA Glu	AAG Lys	CTG Leu 415	AAT Asn	AAA Lys	AGC Ser	AGT Ser	GTT Val 420	TTT Phe	AGT Ser	GAC Asp	GCT Ala	GTA Val 425	:	1301
TGT Cys	GAG Glu	AAA Lys	ACA Thr	AAA Lys 430	CCA Pro	GGA Gly	AAT Asn	ACC Thr	TCT Ser 435	AAA Lys	ATT Ile	TGG Trp	CTT Leu	ATA Ile 440	GTT Val		1349
GGA Gly	ATT Ile	TGT Cys	ATT Ile 445	GCA Ala	TTA\ Leu	TTT Phe	GCT Ala	CTC Leu 450	CCG Pro	TTT Phe	GTC Val	ATT Ile	TAT Tyr 455	GCT Ala	GCG Ala	:	1397
AAA Lys	GTC Val	TTC Phe 460	TTG Leu	AGA Arg	TGC Cys	ATC Ile	AAT Asn 465	TAT Tyr	GTC Val	TTC Phe	TTT Phe	CCA Pro 470	TCA Ser	CTT Leu	AAA Lys	:	1445
CCT Pro	TCT Ser 475	TCC Ser	AGT Ser	ATA Ile	GAT Asp	GAG Glu 480	TAT Tyr	TTĆ Phe	TCT Ser	GAA Glu	CAG Gln 485	CCA Pro	TTG Leu	AAG Lys	AAT Asn	:	1493
CTT Leu 490	CTG Leu	CTT Leu	TCA	ACT Thr	TCT Ser 495	GAG Glu	GAA Glu	CAA Gln	ATC Ile	GAA Glu 500	AAA Lys	TGT Cys	TTC Phe	ATA Ile	ATT Ile 505	:	1541
GAA Glu	AAT Asn	ATA Ile	AGC Ser	ACA Thr 510	ATT Ile	GCT Ala	ACA Thr	GTA Val	GAA Glu 515	GAA Glu	ACT Thr	AAT Asn	CAA Gln	ACT Thr 520	GAT Asp	:	1589
GAA Glu	GAT Asp	CAT His	AAA Lys 525	AAA Lys	TAC Tyr	AGT Ser	TCC Ser	CAA Gln 530	ACT Thr	AGC Ser	CAA Gln	GAT Asp	TCA Ser 535	GGA Gly	AAT Asn	:	1637
TAT Tyr	TCT Ser	AAT Asn 540	GAA Glu	GAT Asp	GAA Glu	AGC Ser	GAA Glu 545	AGT Ser	AAA Lys	ACA Thr	AGT Ser	GAA Glu 550	GAA Glu	CTA Leu	CAG Gln	-	1685
	GAC Asp 555			TGAC	CCAGA	L AA	rgaa(CTGT	ST\C#	AAGTA	AATA	GT1	TTTT	CAGC		=	1737
			TGGT						\								1755

- (2) INFORMATION FOR SEQ ID NO: 4:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 557 amino acids (B) TYPE: amino acid
 - (D) TOPOLOGY: linear

 - (ii) MOLECULE TYPE: protein
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Met Met Val Val Leu Leu Gly Ala Thr Thr Leu Val Leu Val Ala Val 10

Gly Pro Trp Val Leu Ser Ala Ala Gly Gly Lys Asn Leu Lys Ser

Pro Gln Lys Val Glu Val Asp Ile Ile Asp Asp Asn Phe Ile Leu Arg

Trp Asn Arg Ser Asp Glu Ser Val Gly Asn Val Thr Phe Ser Phe Asp

Tyr Gln Lys Thr Gly Met Asp Asn Trp Ile Lys Leu Ser Gly Cys Gln Asn Ile Thr Ser Thr Lys Cys Asn Phe Ser Ser Leu Lys Leu Asn Val 85 Tyr Glu Glu Ile Lys Leu Arg Ile Arg Ala Glu Lys Glu Asn Thr Ser 105 Ser Trp Tyr Glu Val Asp Ser Phe Thr Pro Phe Arg Lys Ala Gln Ile 120 Gly Pro Pro Glu Val His Leu Glu Ala Glu Asp Lys Ala Ile Val Ile His Ile Ser Pro Gly Thr Lys Asp Ser Val Met Trp Ala Leu Asp Gly Leu Ser Phe Thr Tyr Ser Leu Leu \Ile Trp Lys Asn Ser Ser Gly Val 170 Glu Glu Arg Ile Glu Asn Ile Tyr Ser Arg His Lys Ile Tyr Lys Leu Ser Pro Glu Thr Thr Tyr Cys Leu Lys \Val Lys Ala Ala Leu Leu Thr Ser Trp Lys Ile Gly Val Tyr Ser Pro Val His Cys Ile Lys Thr Thr Val Glu Asn Glu Leu Pro Pro Pro Glu Asn\Ile Glu Val Ser Val Gln Asn Gln Asn Tyr Val Leu Lys Trp Asp Tyr Thr Tyr Ala Asn Met Thr 250 Phe Gln Val Gln Trp Leu His Ala Phe Leu Lys Arg Asn Pro Gly Asn His Leu Tyr Lys Trp Lys Gln Ile Pro Asp Cys Glu Asn Val Lys Thr Thr Gln Cys Val Phe Pro Gln Asn Val Phe Gln Ly& Gly Ile Tyr Leu 295 Leu Arg Val Gln Ala Ser Asp Gly Asn Asn Thr Ser Phe Trp Ser Glu Glu Ile Lys Phe Asp Thr Glu Ile Gln Ala Phe Leu Leu Pro Pro Val 330 Phe Asn Ile Arg Ser Leu Ser Asp Ser Phe His Ile Tyr \tag{\tag{Ile Gly Ala} Pro Lys Gln Ser Gly Asn Thr Pro Val Ile Gln Asp Tyr Pto Leu Ile Tyr Glu Ile Ile Phe Trp Glu Asn Thr Ser Asn Ala Glu Arg\Lys Ile 375 Ile Glu Lys Lys Thr Asp Val Thr Val Pro Asn Leu Lys Pro Leu Thr Val Tyr Cys Val Lys Ala Arg Ala His Thr Met Asp Glu Lys Leu Àsn

Lys Ser Ser Val Phe Ser Asp Ala Val Cys Glu Lys Thr Lys Pro Gly 425 Asn Thr Ser Lys Ile Trp Leu Ile Val Gly Ile Cys Ile Ala Leu Phe Ala Leu Pro Phe Val Ile Tyr Ala Ala Lys Val Phe Leu Arg Cys Ile 450 450 Asn Tyr Val Phe Phe Pro Ser Leu Lys Pro Ser Ser Ser Ile Asp Glu 470 475 Tyr Phe Ser Glu Gln Pro Leu Ly& Asn Leu Leu Leu Ser Thr Ser Glu 485 Glu Gln Ile Glu Lys Cys Phe Ile \Tle Glu Asn Ile Ser Thr Ile Ala 500 . 510 Thr Val Glu Glu Thr Asn Gln Thr Asp Glu Asp His Lys Lys Tyr Ser 520 Ser Gln Thr Ser Gln Asp Ser Gly Asn Tyr Ser Asn Glu Asp Glu Ser 530 Glu Ser Lys Thr Ser Glu Glu Leu Gln Gln Asp Phe Val 550



IBM PC AT 1.44mb MSDOS 3.3

BENOIT, et al.

US 08/307,588

FILED:05-DEC-1994

"MONOCLONAL ANTIBODIES

AGAINST THE INTERFERON..."

ATTY DOCKET:17283/117/GUPL

DATA REC'D:26-MAR-1996